Supplementary materials

Supplementary table S1: Weighted bivariate associations between food security status and predictor variables, pooling waves 4 to 6 (n=16,659)

	High food security n=11,016	Marginal food security n=2,184	Low food security n=1,826	Very low food security n=1,632	p value from chi-squared test of association
Survey wave					
Wave 4 (Oct 2021 - Jan 2022)	70.4%	12.0%	10.3%	7.3%	
Wave 5 (April - July 2022)	66.6%	13.3%	10.4%	9.7%	
Wave 6 (Oct 2022 - Jan 2023)	61.4%	14.0%	12.2%	12.4%	<0.001
Gender					
Male	67.5%	12.5%	10.4%	9.7%	
Female	65.4%	13.6%	11.3%	9.7%	<0.001
Age group					
16-24	46.2%	18.3%	17.3%	18.3%	
25-34	54.0%	16.0%	14.9%	15.1%	
35-44	57.6%	16.0%	14.7%	11.7%	
45-54	67.6%	12.2%	9.9%	10.3%	
55-64	76.6%	9.3%	7.8%	6.3%	
65-74	81.8%	10.0%	5.4%	2.7%	
75 +	84.9%	9.1%	4.8%	1.3%	<0.001
Household composition					
One adult no children	68.5%	13.0%	8.4%	10.1%	
Couple no children	74.6%	10.9%	8.5%	6.1%	
Couple with children	56.6%	16.2%	14.4%	12.8%	<0.001

Lone parent	20.00/	4.5.40/	40.20/	24.50/		
Other no children	29.9%	16.4%	19.2%	34.5%		
Other no children	67.8%	13.0%	10.5%	8.7%		
Other with children	52.6%	15.5%	16.5%	15.4%		
Ethnicity						
White	69.3%	12.2%	9.0%	9.5%		
Mixed	43.7%	15.5%	24.3%	16.6%		
Asian or Asian British	51.2%	17.7%	21.0%	10.2%		
Black or Black British	48.0%	22.5%	19.9%	9.5%		
Other ethnic group	53.8%	15.8%	17.3%	13.1%	<0.001	
Annual household income (non equiv	ralised)					
Less than £19,000	42.9%	13.9%	19.8%	23.4%		
£19,000 - £31,999	59.6%	15.6%	12.6%	12.3%		
£32,000 - £63,999	73.4%	13.3%	8.4%	4.8%		
£64,000 and above	89.8%	6.5%	3.0%	0.6%	<0.001	
Employment status						
Working	65.8%	13.7%	11.5%	9.0%		
Student	49.4%	19.2%	15.9%	15.5%		
Retired	84.7%	9.0%	4.4%	1.9%		
Unemployed	30.5%	11.2%	20.3%	38.0%		
Unable to work due to poor health	29.4%	14.3%	20.0%	36.3%		
Homemaker	50.4%	14.4%	16.9%	18.3%		
Other	56.6%	14.4%	14.1%	15.0%	<0.001	
Long-term health condition status	Long-term health condition status					

No long-term health condition	70.3%	13.4%	10.1%	6.2%	
Has a long-term health condition	59.3%	11.5%	12.5%	16.8%	<0.001
Food hypersensitivity status					
No food hypersensitivity					
	67.4%	12.8%	11.0%	8.8%	
Has a food hypersensitivity	63.3%	14.1%	9.5%	13.2%	<0.001
Urban/rural classification					
Urban	63.6%	13.9%	12.0%	10.6%	
Rural	76.1%	10.1%	7.0%	6.8%	<0.001
Country					
England	66.4%	13.1%	10.9%	9.6%	
Wales	62.9%	13.6%	11.2%	12.4%	
Northern Ireland	63.9%	14.2%	11.8%	10.1%	<0.001
Region					
North-East England	64.6%	13.5%	11.2%	10.7%	
North-West England	65.1%	13.3%	12.3%	9.3%	
Yorkshire and the Humber	62.6%	12.4%	11.0%	14.0%	
West Midlands	61.2%	15.7%	11.2%	12.0%	
East Midlands	64.5%	13.7%	11.2%	10.6%	
East of England	71.4%	11.4%	9.5%	7.7%	
South-East England	70.4%	11.7%	9.2%	8.7%	
South-West England	71.8%	11.8%	7.8%	8.6%	
Greater London	63.6%	14.4%	14.2%	7.8%	
Wales	62.9%	13.6%	11.2%	12.4%	<0.001

Northern Ireland	63.9%	14.2%	11.8%	10.1%		
Multiple deprivation	Multiple deprivation					
Quintile 1 - Most deprived	47.4%	17.4%	17.8%	17.4%		
Quintile 2	63.5%	14.3%	11.5%	10.7%		
Quintile 3	66.8%	11.7%	11.5%	10.0%		
Quintile 4	73.1%	12.0%	8.0%	6.9%		
Quintile 5 - Least deprived	79.3%	10.2%	6.3%	4.2%	<0.0 01	

Significant associations as determined by the chi-squared test of association are denoted in bold text

Supplementary table S2: Weighted bivariate associations between emergency food receipt in the past 12 months and predictor variables, pooling waves 4 to 6 (n=10,913)

	Received emergency food (%)	Not received emergency food (%)	p value from chi- squared test of association
	n=395	n=10,518	
Survey wave			
Wave 4 (Oct 2021-Jan 2022)	4.2%	95.8%	
Wave 5 (April - July 2022)	3.0%	97.0%	
Wave 6 (Oct 2022 - Jan 2023)	3.7%	96.3%	0.636
Food security status			
High	0.7%	99.3%	
Marginal	3.7%	96.4%	
Low	7.5%	92.5%	
Very low	20.6%	79.4%	<0.001
Gender			
Male	3.5%	96.6%	
Female	3.6%	96.4%	0.085
Age group			
16-24	8.2%	91.8%	
25-34	3.6%	96.4%	
35-44	4.7%	95.3%	
45-54	3.9%	96.1%	
55-64	2.2%	97.8%	
65-74	1.4%	98.7%	
75 +	1.3%	98.7%	<0.001

Household composition			
One adult no children	4.4%	95.7%	
Couple no children	2.2%	97.8%	
Couple with children	4.8%	95.2%	
Lone parent	14.7%	85.3%	
Other no children	3.7%	96.3%	
Other with children	4.5%	95.5%	<0.001
Ethnicity			
White	2.9%	97.1%	
Mixed	9.8%	90.2%	
Asian or Asian British	7.8%	92.2%	
Black or Black British	11.0%	89.0%	
Other ethnic group	3.2%	96.8%	<0.001
Annual household income (non	equivalised)		
Less than £19,000	11.6%	88.4%	
£19,000 - £31,999	2.7%	97.3%	
£32,000 and above	0.3%	99.7%	<0.001
Employment status			
Working	2.2%	97.9%	
Student	7.5%	92.5%	
Retired	1.0%	99.0%	
Unemployed	19.0%	81.0%	
Unable to work due to poor health	20.6%	79.5%	<0.001

Homemaker	9.4%	90.6%			
Other	7.5%	92.5%			
Long-term health condition status					
No long-term health condition	2.2%	97.8%			
Has a long-term health condition	6.4%	93.6%	<0.001		
Food hypersensitivity status					
No food hypersensitivity	3.5%	96.5%			
Has a food hypersensitivity	4.0%	96.0%	0.015		
Urban/rural classification					
Urban	4.0%	96.0%			
Rural	2.3%	97.7%	0.001		
Country					
England	3.6%	96.4%			
Wales	3.8%	96.2%			
Northern Ireland	4.3%	95.7%	0.044		
Region					
North-East England	3.1%	96.9%			
North-West England	3.9%	96.1%			
Yorkshire and the Humber	4.6%	95.4%			
West Midlands	3.9%	96.1%			
East Midlands	4.5%	95.5%			
East of England	3.2%	96.8%			
South-East England	2.2%	97.8%	0.002		

South-West England	2.9%	97.1%	
Greater London	4.3%	95.7%	
Wales	3.8%	96.2%	
Northern Ireland	4.3%	95.7%	
Multiple deprivation			
Quintile 1 - Most deprived	8.1%	91.9%	
Quintile 2	3.8%	96.2%	
Quintile 3	2.8%	97.2%	
Quintile 4	2.5%	97.5%	
Quintile 5 - Least deprived	1.1%	98.9%	<0.001

Significant associations as determined by the chi-squared test of association are denoted in bold text

Supplementary table S3: Ordinal logistic regression analyses predicting food security status of differing severity, Block 1, showing odds ratios and standard errors, n=17,843

	High vs marginal, low and very low food security	High and marginal vs low and very low food security	High, marginal and low vs very low food security
Survey wave			
Wave 4 (Oct 2021-Jan 2022)	1.00	1.00	1.00
	[1.00,1.00]	[1.00,1.00]	[1.00,1.00]
Wave 5 (April - July 2022)	1.20*	1.20*	1.20*
	[1.04,1.38]	[1.04,1.38]	[1.04,1.38]
Wave 6 (Oct 2022 - Jan 2023)	1.51***	1.54***	1.61***
	[1.31,1.75]	[1.30,1.81]	[1.30,2.00]
Gender			
Male	1.00	1.00	1.00
	[1.00,1.00]	[1.00,1.00]	[1.00,1.00]
Female	1.11	1.11	1.11
	[1.00,1.23]	[1.00,1.23]	[1.00,1.23]
Age group			
16-24	1.00	1.00	1.00
	[1.00,1.00]	[1.00,1.00]	[1.00,1.00]
25-34	0.77*	0.77*	0.77*
	[0.60,0.97]	[0.60,0.97]	[0.60,0.97]
35-44	0.55***	0.55***	0.55***
	[0.44,0.70]	[0.44,0.70]	[0.44,0.70]
45-54	0.43***	0.43***	0.43***
	[0.34,0.54]	[0.34,0.54]	[0.34,0.54]
55-64	0.30***	0.30***	0.30***
	[0.24,0.38]	[0.24,0.38]	[0.24,0.38]
65-74	0.21***	0.21***	0.21***
	[0.16,0.26]	[0.16,0.26]	[0.16,0.26]
75 +	0.17***	0.12***	0.06***
	[0.12,0.23]	[0.08,0.18]	[0.03,0.11]
Household composition			
One adult no children	1.00	1.00	1.00
	[1.00,1.00]	[1.00,1.00]	[1.00,1.00]
Couple no children	0.57***	0.57***	0.57***
	[0.48,0.66]	[0.48,0.66]	[0.48,0.66]
Couple with children	0.78*	0.78*	0.78*
	[0.64,0.94]	[0.64,0.94]	[0.64,0.94]
Lone parent	2.53***	2.53***	2.53***
	[1.88,3.41]	[1.88,3.41]	[1.88,3.41]

Other no children	0.56***	0.56***	0.56***
	[0.46,0.69]	[0.46,0.69]	[0.46,0.69]
Other with children	0.93	0.93	0.93
	[0.71,1.22]	[0.71,1.22]	[0.71,1.22]
Ethnicity			
White	1.00	1.00	1.00
	[1.00,1.00]	[1.00,1.00]	[1.00,1.00]
Mixed	1.97***	1.97***	1.97***
	[1.39,2.79]	[1.39,2.79]	[1.39,2.79]
Asian or Asian British	1.49**	1.36*	0.76
	[1.15,1.92]	[1.02,1.80]	[0.51,1.14]
Black or Black British	1.31	1.31	1.31
	[0.91,1.88]	[0.91,1.88]	[0.91,1.88]
Other ethnic group	1.30	1.30	1.30
	[0.64,2.65]	[0.64,2.65]	[0.64,2.65]

* p < 0.05, ** p < 0.01, *** p < 0.001Coefficients that do not satisfy the proportional odds assumption and that have therefore been allowed to vary across different levels of food security have been denoted by italics

Supplementary table S4: Ordinal logistic regression analyses predicting food security status of differing severity, Block 2 showing odds ratios and standard errors, n=17,843

	High vs marginal, low and very low food security	High and marginal vs low and very low food security	High, marginal and low vs very low food security
Survey wave			
Wave 4 (Oct 2021-Jan 2022)	1.00	1.00	1.00
	[1.00,1.00]	[1.00,1.00]	[1.00,1.00]
Wave 5 (April - July 2022)	1.27**	1.27**	1.27**
	[1.10,1.48]	[1.10,1.48]	[1.10,1.48]
Wave 6 (Oct 2022 - Jan 2023)	1.68***	1.67***	1.71***
	[1.44,1.97]	[1.40,1.99]	[1.36,2.14]
Gender			
Male	1.00	1.00	1.00
	[1.00,1.00]	[1.00,1.00]	[1.00,1.00]
Female	0.96	0.96	0.96
	[0.86,1.08]	[0.86,1.08]	[0.86,1.08]
Age group			
16-24	1.00	1.00	1.00
	[1.00,1.00]	[1.00,1.00]	[1.00,1.00]
25-34	0.83	0.83	0.83
	[0.61,1.13]	[0.61,1.13]	[0.61,1.13]
35-44	0.67**	0.67**	0.67**
	[0.49,0.90]	[0.49,0.90]	[0.49,0.90]
45-54	0.46***	0.46***	0.46***
	[0.34,0.62]	[0.34,0.62]	[0.34,0.62]
55-64	0.25***	0.25***	0.25***
	[0.18,0.34]	[0.18,0.34]	[0.18,0.34]
65-74	0.24***	0.24***	0.24***
	[0.17,0.33]	[0.17,0.33]	[0.17,0.33]
75 +	0.21***	0.16***	0.09***
	[0.15,0.32]	[0.10,0.25]	[0.04,0.18]
Household composition			
One adult no children	1.00	1.00	1.00
	[1.00,1.00]	[1.00,1.00]	[1.00,1.00]
Couple no children	0.91	0.91	0.91
	[0.78,1.06]	[0.78,1.06]	[0.78,1.06]
Couple with children	1.30**	1.30**	1.30**
	[1.07,1.59]	[1.07,1.59]	[1.07,1.59]
Lone parent	2.31***	2.31***	2.31***
	[1.71,3.11]	[1.71,3.11]	[1.71,3.11]

Other no children	0.99	0.99	0.99
	[0.80,1.24]	[0.80,1.24]	[0.80,1.24]
Other with children	1.63***	1.63***	1.63***
	[1.23,2.16]	[1.23,2.16]	[1.23,2.16]
Ethnicity			
White	1.00	1.00	1.00
	[1.00,1.00]	[1.00,1.00]	[1.00,1.00]
Mixed	1.90**	1.90**	1.90**
	[1.22,2.96]	[1.22,2.96]	[1.22,2.96]
Asian or Asian British	1.08	0.98	0.53**
	[0.80,1.46]	[0.72,1.35]	[0.35,0.81]
Black or Black British	1.19	1.19	1.19
	[0.76,1.88]	[0.76,1.88]	[0.76,1.88]
Other ethnic group	0.94	0.94	0.94
	[0.50,1.79]	[0.50,1.79]	[0.50,1.79]
Annual household income (non	equivalised)		
Less than £19,000	1.00	1.00	1.00
	[1.00,1.00]	[1.00,1.00]	[1.00,1.00]
£19,000 - £31,999	0.40***	0.35***	0.39***
	[0.34,0.47]	[0.30,0.42]	[0.31,0.49]
£32,000 - £63,999	0.16***	0.13***	0.13***
	[0.14,0.19]	[0.11,0.16]	[0.10,0.17]
£64,000 and above	0.05***	0.03***	0.01***
	[0.04,0.07]	[0.02,0.05]	[0.01,0.03]
Employment status			
Working	1.00	1.00	1.00
	[1.00,1.00]	[1.00,1.00]	[1.00,1.00]
Student	0.46***	0.46***	0.46***
	[0.31,0.67]	[0.31,0.67]	[0.31,0.67]
Retired	0.38***	0.38***	0.38***
	[0.32,0.47]	[0.32,0.47]	[0.32,0.47]
Unemployed	1.79**	1.79**	1.79**
	[1.20,2.68]	[1.20,2.68]	[1.20,2.68]
Unable to work due to poor	2.13***	2.13***	2.13***
health	[1.58,2.88]	[1.58,2.88]	[1.58,2.88]
Homemaker	1.11	1.11	1.11
	[0.88,1.40]	[0.88,1.40]	[0.88,1.40]
Other * n < 0.05 ** n < 0.01 ***	1.02	1.02	1.02
	[0.76,1.36]	[0.76,1.36]	[0.76,1.36]

* p < 0.05, ** p < 0.01, *** p < 0.001

Coefficients that do not satisfy the proportional odds assumption and that have therefore been allowed to vary across different levels of food security have been denoted by italics

Supplementary table S5: Ordinal logistic regression analyses predicting food security status of differing severity, Block 3 showing odds ratios and standard errors, n=17,843

	High vs marginal, low and very low food security	High and marginal vs low and very low food security	High, marginal and low vs very low food security
Survey wave			
Wave 4 (Oct 2021-Jan 2022)	1.00	1.00	1.00
	[1.00,1.00]	[1.00,1.00]	[1.00,1.00]
Wave 5 (April - July 2022)	1.31***	1.31***	1.31***
	[1.13,1.52]	[1.13,1.52]	[1.13,1.52]
Wave 6 (Oct 2022 - Jan 2023)	1.74***	1.73***	1.82***
	[1.49,2.03]	[1.46,2.06]	[1.46,2.28]
Gender			
Male	1.00	1.00	1.00
	[1.00,1.00]	[1.00,1.00]	[1.00,1.00]
Female	0.92	0.92	0.92
	[0.82,1.03]	[0.82,1.03]	[0.82,1.03]
Age group			
16-24	1.00	1.00	1.00
	[1.00,1.00]	[1.00,1.00]	[1.00,1.00]
25-34	0.81	0.81	0.81
	[0.60,1.11]	[0.60,1.11]	[0.60,1.11]
35-44	0.66**	0.66**	0.66**
	[0.49,0.90]	[0.49,0.90]	[0.49,0.90]
45-54	0.45***	0.45***	0.45***
	[0.33,0.61]	[0.33,0.61]	[0.33,0.61]
55-64	0.24***	0.24***	0.24***
	[0.18,0.33]	[0.18,0.33]	[0.18,0.33]
65-74	0.22***	0.22***	0.22***
	[0.16,0.31]	[0.16,0.31]	[0.16,0.31]
75 +	0.19***	0.14***	0.08***
	[0.13,0.28]	[0.09,0.22]	[0.04,0.16]
Household composition			
One adult no children	1.00	1.00	1.00
	[1.00,1.00]	[1.00,1.00]	[1.00,1.00]
Couple no children	0.93	0.93	0.93
	[0.80,1.09]	[0.80,1.09]	[0.80,1.09]
Couple with children	1.43***	1.43***	1.43***
	[1.17,1.75]	[1.17,1.75]	[1.17,1.75]
Lone parent	2.40***	2.40***	2.40***
	[1.75,3.30]	[1.75,3.30]	[1.75,3.30]

Other no children	1.01	1.01	1.01
	[0.81,1.26]	[0.81,1.26]	[0.81,1.26]
Other with children	1.73***	1.73***	1.73***
	[1.31,2.30]	[1.31,2.30]	[1.31,2.30]
Ethnicity			
White	1.00	1.00	1.00
	[1.00,1.00]	[1.00,1.00]	[1.00,1.00]
Mixed	1.80**	1.80**	1.80**
	[1.17,2.77]	[1.17,2.77]	[1.17,2.77]
Asian or Asian British	1.15	1.10	0.62*
	[0.85,1.55]	[0.81,1.51]	[0.41,0.94]
Black or Black British	1.36	1.36	1.36
	[0.86,2.17]	[0.86,2.17]	[0.86,2.17]
Other ethnic group	0.92	0.92	0.92
	[0.46,1.84]	[0.46,1.84]	[0.46,1.84]
Annual household income (nor	equivalised)		
Less than £19,000	1.00	1.00	1.00
	[1.00,1.00]	[1.00,1.00]	[1.00,1.00]
£19,000 - £31,999	0.40***	0.36***	0.41***
	[0.34,0.47]	[0.30,0.43]	[0.33,0.52]
£32,000 - £63,999	0.16***	0.14***	0.14***
	[0.14,0.19]	[0.11,0.17]	[0.10,0.18]
£64,000 and above	0.05***	0.04***	0.01***
	[0.04,0.06]	[0.02,0.05]	[0.01,0.03]
Employment status			
Working	1.00	1.00	1.00
	[1.00,1.00]	[1.00,1.00]	[1.00,1.00]
Student	0.43***	0.43***	0.43***
	[0.30,0.63]	[0.30,0.63]	[0.30,0.63]
Retired	0.36***	0.36***	0.36***
	[0.30,0.44]	[0.30,0.44]	[0.30,0.44]
Unemployed	1.51*	1.51*	1.51*
	[1.03,2.21]	[1.03,2.21]	[1.03,2.21]
Unable to work due to poor	1.30	1.30	1.30
health	[0.96,1.77]	[0.96,1.77]	[0.96,1.77]
Homemaker	1.01	1.01	1.01
	[0.81,1.27]	[0.81,1.27]	[0.81,1.27]
Other	1.01	1.01	1.01
	[0.74,1.38]	[0.74,1.38]	[0.74,1.38]
Long-term health condition sta	tus		·

No long-term health condition	1.00	1.00	1.00
	[1.00,1.00]	[1.00,1.00]	[1.00,1.00]
Has a long-term health condition	1.74***	2.12***	2.51***
	[1.52,1.99]	[1.82,2.48]	[2.03,3.09]
Food hypersensitivity status			
No food hypersensitivity	1.00	1.00	1.00
	[1.00,1.00]	[1.00,1.00]	[1.00,1.00]
Has a food hypersensitivity	1.19*	1.17	1.49**
	[1.01,1.40]	[0.98,1.40]	[1.17,1.90]

* p < 0.05, ** p < 0.01, *** p < 0.001

Coefficients that do not satisfy the proportional odds assumption and that have therefore been allowed to vary across different levels of food security have been denoted by italics

Supplementary table S6: Logistic regression analyses predicting food security status from interactions with country, showing odds ratios and standard errors, n=13,271

		0									
	Country and survey wave	Country and gender	Country and age group	Country and presenc e of children	Country and ethnicit y	Country and income	Country and work status	Country and LTHCs	Country and hypersensitiv ity	Country and urban- rural status	Country and deprivati on
Intercep t	1.19 [0.83,1. 71]	1.17 [0.82,1. 68]	1.18 [0.82,1. 69]	1.17 [0.82,1. 68]	1.17 [0.82,1. 68]	1.18 [0.82,1. 69]	1.18 [0.82,1. 70]	1.17 [0.81,1. 67]	1.17 [0.82,1.68]	1.17 [0.82,1. 68]	1.19 [0.83,1.7 2]
Main effe	cts										
England	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00 [.,.]
Wales	0.98 [0.72,1. 35]	1.24 [0.95,1. 62]	1.25 [0.88,1. 76]	1.23 [0.98,1. 54]	1.25* [1.04,1. 49]	1.19 [0.90,1. 57]	1.08 [0.87,1. 34]	1.34* [1.06,1. 70]	1.26* [1.04,1.53]	1.36** [1.10,1. 68]	1.09 [0.74,1.6 2]
Norther n Ireland	0.92 [0.69,1. 24]	0.94 [0.73,1. 22]	0.86 [0.63,1. 19]	1.02 [0.82,1. 26]	0.99 [0.83,1. 18]	0.93 [0.72,1. 21]	0.92 [0.75,1. 13]	0.97 [0.78,1. 20]	0.96 [0.79,1.16]	0.85 [0.69,1. 05]	0.68* [0.47,0.9 8]
Interactio	n terms										
Country a	nd survey w	ave									
Wales x wave 4	1.00										
Wales x wave 5	1.63* [1.07,2. 50]										
Wales x wave 6	1.11 [0.72,1. 71]										

NI x wave 4	1.00							
NI x wave 5	1.11 [0.74,1. 65]							
NI x wave 6	1.03 [0.68,1. 55]							
Country a	nd gender	•	•				•	
Wales x male		1.00						
Wales x female		0.98 [0.71,1. 36]						
NI x male		1.00						
NI x female		1.05 [0.77,1. 43]						
Country a	nd age grou	ıp	•				•	
Wales x 26-34 years			1.00					
Wales x 35-54 years			0.96 [0.63,1. 45]					
Wales x 55-74 years			1.00 [0.64,1. 54]					

ı									
	1.08 [0.47,2. 45]								
	1.00								
	1.16 [0.79,1. 71]								
	1.29 [0.85,1. 95]								
	0.91 [0.37,2. 24]								
d presence of c	hildren								
		1.00 [.,.]							
		0.99 [0.70,1. 41]							
		1.00							
		0.87 [0.62,1. 22]							
d ethnicity									
			1.00						
		[0.47,2. 45] 1.00 [.,.] 1.16 [0.79,1. 71] 1.29 [0.85,1. 95] 0.91 [0.37,2. 24] d presence of children	[0.47,2. 45] 1.00 [.,.] 1.16 [0.79,1. 71] 1.29 [0.85,1. 95] 0.91 [0.37,2. 24] 4 presence of children 1.00 [.,.] 0.99 [0.70,1. 41] 1.00 [.,.] 0.87 [0.62,1. 22]	[0.47,2. 45] 1.00 [.,.] 1.16 [0.79,1. 71] 1.29 [0.85,1. 95] 0.91 [0.37,2. 24] 4 presence of children 1.00 [.,.] 0.99 [0.70,1. 41] 1.00 [.,.] 1.00 [.,.] 1.00 [.,.] 1.00 [.,.] 1.00 [.,.] 1.00 [.,.] 1.00 [.,.] 1.00 [.,.]	[0.47,2. 45] 1.00 [] 1.16 [0.79,1. 71] 1.29 [0.85,1. 95] 0.91 [0.37,2. 24] 1 presence of children 1.00 [] 0.99 [0.70,1. 41] 1.00 [] 0.87 [0.62,1. 22]	[0.47,2. 45] 1.00 [.,.] 1.16 [0.79,1. 71] 1.29 [0.85,1. 95] 0.91 [0.37,2. 24] 1 presence of children 1.00 [.,.] 0.99 [0.70,1. 41] 1.00 [.,.] 1.00 [.,.] 1.00 [.,.] 1.00 [.,.] 1.00 [.,.] 1.00 [.,.] 1.00 [.,.] 1.00 [.,.] 1.00 [.,.] 1.00 [.,.] 1.00 [.,.] 1.00 [.,.]	[0.47,2. 45] 1.00 [] 1.16 [0.79,1. 71] 1.29 [0.85,1. 95] 0.91 [0.37,2. 24] 1 presence of children 1.00 [] 0.99 [0.70,1. 41] 1.00 [] 0.87 [0.62,1. 22] 1 ethnicity	[0.47,2. 45] 1.00 [] 1.16 [0.79,1. 71] 1.29 [0.85,1. 95] 0.91 [0.37,2. 24] I presence of children 1.00 [] 0.99 [0.70,1. 41] 1.00 [] 1.00 [] 1.00 [] 1.01 [] 1.02 [] 1.03 [] 1.04 [] 1.05 []	[0.47,2. 45

ethnic minority		<u>, </u>				1		1
White [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] []	Wales x ethnic minority		[0.32,1.					
ethnic minority	NI x White							
Wales x <= 1.00	NI x ethnic minority		[0.15,0.					
1.00	Country and inc	come						
1.22 [0.81,1. 83] Wales x [619,000	Wales x <£19,00 0							
£32,000	Wales x £19,000 - £31,999			[0.81,1.				
<f19,00< td=""> 1.00 NI x 0.96 £19,000 [0.65,1.4] - 41] NI x 1.18 £32,000 [0.81,1.72]</f19,00<>	Wales x £32,000 +			[0.60,1.				
f19,000 - f31,999	NI x <£19,00 0							
£32,000 + [0.81,1. 72]	NI x £19,000 - £31,999			[0.65,1.				
Country and working status	NI x £32,000 +			[0.81,1.				
	Country and wo	orking status		•	1		•	

		1	1		1
Wales x Working			1.00 [.,.]		
Wales x Student			1.45 [0.59,3. 55]		
Wales x Retired			1.44 [0.96,2. 15]		
Wales x Unempl oyed			1.17 [0.45,3. 02]		
Wales x Unable to work due to poor health			1.80 [0.95,3. 40]		
Wales x Homem aker			0.93 [0.50,1. 74]		
Wales x Other			1.66 [0.72,3. 84]		
NI x Working			1.00		
NI x Student			1.16 [0.55,2. 45]		
NI x Retired			1.36 [0.90,2. 05]		

NI x Unempl oyed							0.65 [0.27,1. 59]			
NI x Unable to work due to poor health							1.29 [0.74,2. 26]			
NI x Homem aker							1.12 [0.59,2. 11]			
NI x Other							1.27 [0.56,2. 88]			
Country ar	nd long-teri	n health co	ndition (LTF	IC)	•	1	•	1		
Wales x No LTHC								1.00		
Wales x Has LTHC								0.79 [0.56,1. 11]		
NI x No LTHC								1.00		
NI x Has LTHC								1.00 [0.72,1. 40]		
Country ar	nd food hyp	ersensitivit	у							
Wales x No hyper.									1.00	

Wales x Has hyper.						0.83 [0.54,1.29]		
NI x No hyper.						1.00		
NI x Has hyper.						1.04 [0.70,1.54]		
Country and	urban-rural status	;						
Wales x Urban area							1.00	
Wales x Rural area							0.69* [0.47,1. 00]	
NI x Urban area							1.00	
NI x Rural area							1.34 [0.94,1. 91]	
Country and	deprivation				•		•	
Wales x Decile 1								1.00
Wales x Decile 2								1.60 [0.94,2.7 1]
Wales x Decile 3								1.13 [0.66,1.9 3]

					ı	
Wales x Decile 4						0.97 [0.55,1.7 1]
Wales x Decile 5						0.95 [0.54,1.6 9]
NI x Decile 1						1.00 [.,.]
NI x Decile 2						2.18** [1.33,3.5 8]
NI x Decile 3						1.17 [0.70,1.9 7]
NI x Decile 4						1.78* [1.07,2.9 9]
NI x Decile 5						1.46 [0.87,2.4 5]

All models are also adjusted for main effects of covariates, not listed for brevity

Supplementary table S7: Logistic regression analyses predicting emergency food receipt from interactions with country, showing odds ratios and standard errors, n=8,730

	Countr y and survey wave	Countr y and gender	Countr y and FI status	Count ry and age group	Country and presenc e of childre n	Countr y and ethnicit y	Countr y and income	Countr y and work status	Countr y and LTHCs	Country and hypersensitiv ity	Countr y and urban- rural status	Country and deprivati on
Interce pt	0.09** * [0.03,0. 24]	0.09** * [0.03,0. 23]	0.09** * [0.03,0. 25]	0.09* ** [0.03, 0.24]	0.09*** [0.03,0. 25]	0.09** * [0.03,0. 23]	0.09** * [0.03,0. 24]	0.08** * [0.03,0. 23]	0.09** * [0.03,0. 24]	0.09*** [0.03,0.23]	0.09** * [0.03,0. 24]	0.09*** [0.03,0.2 4]
Main effe	ects											
Englan d	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Wales	0.50 [0.23,1. 10]	0.97 [0.46,2. 04]	0.36 [0.11,1. 24]	0.77 [0.33, 1.81]	0.89 [0.49,1. 60]	0.89 [0.54,1. 47]	0.72 [0.41,1. 29]	1.34 [0.74,2. 43]	0.83 [0.37,1. 86]	0.81 [0.48,1.39]	0.79 [0.45,1. 39]	0.46 [0.21,1.0 2]
Northe rn Ireland	0.98 [0.43,2. 24]	1.52 [0.77,3. 00]	0.59 [0.26,1. 38]	1.06 [0.51, 2.21]	1.53 [0.85,2. 74]	1.26 [0.79,2. 03]	0.93 [0.53,1. 64]	1.60 [0.89,2. 88]	1.07 [0.54,2. 12]	1.18 [0.72,1.93]	1.09 [0.62,1. 93]	0.66 [0.30,1.4 6]
Interaction	on terms											
Country	and survey	wave										
Wales x wave 4	1.00											
Wales x wave 5	2.62 [0.80,8. 58]											
Wales x wave 6	1.95 [0.69,5. 52]											

		•	•				1	1		
NI x wave 4	1.00									
NI x wave 5	1.97 [0.70,5. 54]									
NI x wave 6	1.02 [0.35,2. 99]									
Country	and gender	r	I.	1	l	1			1	
Wales x male		1.00								
Wales x female		0.80 [0.33,1. 92]								
NI x male		1.00								
NI x female		0.69 [0.31,1. 51]								
Country	and food se	ecurity stat	tus							
Wales x food secure			1.00							
Wales x food insecur e			2.91 [0.78,1 0.93]							

			•					•	
NI x food secure			1.00 [.,.]						
NI x food insecur e			2.65* [1.02,6. 93]						
Country a	and age gro	oup							
Wales x 26-34 years				1.00					
Wales x 35-54 years				1.61 [0.61, 4.23]					
Wales x 55-74 years				0.41 [0.09, 1.84]					
Wales x 75+ years				1.00 [.,.]					
NI x 26- 34 years				1.00					
NI x 35- 54 years				1.04 [0.41, 2.64]					
NI x 55- 74 years				1.89 [0.64, 5.57]					

I		T T		1	1	ı	1	· ·
NI x 75+ years		0.60 [0.05, 8.00]						
Country and pre	sence of child	ren						
Wales x no childre n			1.00					
Wales x has childre n			0.91 [0.35,2. 40]					
NI x no childre n			1.00					
NI x has childre n			0.61 [0.27,1. 38]					
Country and eth	nicity							
Wales x White				1.00				
Wales x ethnic minorit y				0.64 [0.11,3. 76]				
NI x White				1.00		_		
NI x ethnic				0.51 [0.08,3. 35]				

minorit y								
Country a	and incom	e		I				
Wales x <£19,0 00					1.00			
Wales x £19,00 0- £31,99 9					1.76 [0.61,5. 10]			
Wales x £32,00 0+					2.42 [0.53,1 0.92]			
NI x <£19,0 00					1.00			
NI x £19,00 0- £31,99 9					1.91 [0.81,4. 47]			
NI x £32,00 0+					4.57* [1.22,1 7.06]			
Country	and workir	ng status						
Wales x Workin g						1.00 [.,.]		

		-				
Wales x Student				1.01 [0.23,4. 47]		
Wales x Retired				0.15* [0.03,0. 89]		
Wales x Unempl oyed				0.17* [0.04,0. 74]		
Wales x Sick				0.59 [0.20,1. 72]		
Wales x Home maker				0.40 [0.11,1. 48]		
Wales x Other				0.54 [0.09,3. 33]		
NI x Workin g				1.00		
NI x Student				0.49 [0.11,2. 25]		
NI x Retired				1.82 [0.52,6. 42]		
NI x Unempl oyed				0.33 [0.09,1. 22]		

NI x Sick							0.29 [0.08,1. 13]			
NI x Home maker							0.94 [0.27,3. 27]			
NI x Other							1.00			
Country and l	ong-term hea	Ith condition	(LTHC)							
Wales x No LTHC								1.00		
Wales x Has LTHC								1.05 [0.38,2. 93]		
NI x No LTHC								1.00		
NI x Has LTHC								1.36 [0.55,3. 36]		
Country and f	ood hypersen	sitivity	1	l	l	1				
Wales x No hyper.									1.00	
Wales x Has hyper.									1.32 [0.41,4.22]	
NI x No hyper.									1.00	

NI x Has hyper.							1.27 [0.46,3.48]		
Country a	and urban-	rural statu	s						
Wales x Urban area								1.00 [.,.]	
Wales x Rural area								1.41 [0.46,4. 28]	
NI x Urban area								1.00	
NI x Rural area								1.41 [0.53,3. 76]	
Country a	and depriva	ation							
Wales x Decile 1									1.00
Wales x Decile 2									5.78** [1.92,17. 38]
Wales x Decile 3									3.05 [0.84,11. 09]
Wales x Decile 4									1.73 [0.33,9.1 8]

Wales x Decile 5						0.95 [0.18,4.9 8]
NI x Decile 1						1.00
NI x Decile 2						5.05** [1.67,15. 31]
NI x Decile 3						1.19 [0.32,4.4 4]
NI x Decile 4						3.23 [0.89,11. 78]
NI x Decile 5						0.90 [0.21,3.8 2]

All models are also adjusted for main effects of covariates, not listed for brevity

Supplementary table S8: Logistic regression analyses predicting emergency food receipt from very low food security and other predictors, showing odds ratios and standard errors, n=11,161

	Bivariate associations	Block 1: Demographics	Block 2: Demographics plus financial characteristics	Block 3: Demographics plus financial characteristics plus health	Block 4: Demographics plus financial characteristics plus health plus local characteristics
Intercept	Variable, from 0.01 to 0.12	0.07*** [0.03,0.16]	0.11*** [0.04,0.27]	0.10*** [0.04,0.26]	0.14*** [0.05,0.37]
Survey wave					
Wave 4 (Oct 2021-Jan 2022)	1.00	1.00	1.00	1.00	1.00 [.,.]
Wave 5 (April - July 2022)	0.72 [0.46,1.12]	0.59* [0.36,0.95]	0.62 [0.38,1.03]	0.62 [0.37,1.04]	0.62 [0.38,1.02]
Wave 6 (Oct 2022 - Jan 2023)	0.85 [0.53,1.38]	0.58* [0.34,0.97]	0.65 [0.38,1.11]	0.66 [0.38,1.13]	0.68 [0.40,1.15]
Food security stat	us				
High, marginal or low food security	1.00	1.00	1.00	1.00	1.00
Very low food security	15.02*** [10.16,22.21]	13.45*** [9.13,19.80]	5.56*** [3.59,8.61]	5.12*** [3.33,7.87]	5.20*** [3.40,7.94]
Gender					
Male	1.00 [.,.]	1.00 [.,.]	1.00 [.,.]	1.00 [.,.]	1.00 [.,.]
Female	1.08 [0.76,1.54]	1.06 [0.73,1.55]	0.94 [0.63,1.40]	0.92 [0.61,1.38]	0.94 [0.63,1.41]
Age group					
16-24	1.00	1.00 [.,.]	1.00 [.,.]	1.00	1.00 [.,.]
25-34	0.42** [0.24,0.76]	0.37** [0.19,0.71]	0.38* [0.18,0.81]	0.38* [0.18,0.81]	0.36** [0.17,0.76]
35-44	0.51* [0.30,0.89]	0.53* [0.28,0.99]	0.58 [0.28,1.17]	0.57 [0.28,1.19]	0.57 [0.28,1.16]
45-54	0.33*** [0.19,0.59]	0.44** [0.24,0.82]	0.46* [0.21,1.00]	0.46 [0.21,1.01]	0.48 [0.22,1.05]

55-64	0.22***	0.36**	0.33**	0.32**	0.36
	[0.11,0.42]	[0.18,0.73]	[0.15,0.74]	[0.14,0.73]	[0.16,0.82
65-74	0.10*** [0.04,0.23]	0.22** [0.09,0.55]	0.37 [0.10,1.37]	0.36 [0.10,1.34]	0.3 [0.10,1.42
75 +	0.20* [0.05,0.75]	0.39 [0.09,1.72]	0.84 [0.15,4.51]	0.75 [0.13,4.21]	0.8 [0.16,4.78
Household composition	1	1	1	1	
One adult no					
children	1.00	1.00	1.00	1.00	1.0 [.,
Couple no	0.54*	0.62	0.91	0.92	0.9
children	[0.32,0.89]	[0.35,1.10]	[0.52,1.60]	[0.52,1.62]	[0.52,1.5
Couple with	1.09	0.72	1 22	1 27	1.3
children	[0.65,1.86]	[0.37,1.40]	1.23 [0.62,2.43]	1.27 [0.64,2.54]	[0.68,2.7]
Lone parent	4.20***	1.60	1.77	1.81	1.9
	[2.26,7.80]	[0.72,3.58]	[0.75,4.16]	[0.76,4.31]	[0.82,4.5]
Other no	0.84	0.54	0.91	0.90	0.9
children	[0.43,1.67]	[0.26,1.14]	[0.43,1.90]	[0.43,1.90]	[0.47,1.89
Other with	1.09	0.43	0.72	0.71	0.7
children	[0.51,2.30]	[0.18,1.05]	[0.31,1.70]	[0.30,1.68]	[0.30,1.7
Ethnicity		<u> </u>		<u> </u>	
White					
	1.00 [.,.]	1.00 [.,.]	1.00 [.,.]	1.00 [.,.]	1.0 [.,
Ethnic minority	2.39**	2.42**	1.87*	1.95*	1.8
, l	[1.41,4.05]	[1.34,4.37]	[1.03,3.40]	[1.07,3.55]	[0.97,3.40
Household income		·	·	·	
Less than					
£19,000	1.00 [.,.]		1.00 [.,.]	1.00 [.,.]	1.0 [.
£19,000 -					
£31,999	0.22*** [0.13,0.37]		0.40** [0.22,0.72]	0.40** [0.22,0.72]	0.42 ⁻ [0.23,0.7
£32,000 and					
above	0.05*** [0.03,0.12]		0.14*** [0.05,0.36]	0.14*** [0.05,0.36]	0.16** [0.06,0.4
Employment status					
Working	1.00		1.00	1.00	1.0
0	[.,.]		[.,.]	[.,.]	[.

Student	3.89*** [1.90,7.96]	[0.3	1.03 38,2.78]	1.00 [0.36,2.79]	1.09 [0.40,3.00]
Retired	0.47 [0.21,1.05]	[0.1	0.47 16,1.37]	0.45 [0.15,1.34]	0.49 [0.16,1.50]
Unemployed	12.86*** [7.38,22.38]		3.16*** 69,5.92]	2.91** [1.52,5.54]	3.10*** [1.61,5.95]
Unable to work due to poor health	13.77*** [8.54,22.22]		4.04*** 31,7.06]	3.21*** [1.67,6.18]	3.26*** [1.67,6.36]
Homemaker	4.48*** [2.59,7.74]	[0.9]	1.94 92,4.11]	1.82 [0.85,3.91]	1.87 [0.86,4.06]
Other	4.47*** [2.28,8.80]	[1.2	2.53* 20,5.31]	2.49* [1.19,5.22]	2.44* [1.10,5.40]
Long-term health co	ondition status	,			
No long-term health condition	1.00 [.,.]			1.00	1.00
Has a long-term health condition	2.92*** [1.98,4.31]			1.47 [0.89,2.44]	1.40 [0.84,2.32]
Food hypersensitivit	ty status	,			
No food hypersensitivity	1.00 [.,.]			1.00 [.,.]	1.00
Has a food hypersensitivity	1.18 [0.74,1.88]			0.95 [0.54,1.68]	0.97 [0.56,1.68]
Urban/rural classific	ation	·			
Urban	1.00 [.,.]				1.00
Rural	0.55* [0.32,0.95]				1.15 [0.65,2.05]
Country		·			
England	1.00 [.,.]				1.00
Wales	1.06 [0.74,1.50]				0.91 [0.60,1.37]
Northern Ireland	1.27 [0.92,1.76]				1.43 [0.96,2.14]
Index of Multiple De	eprivation (IMD)				

Quintile 1 (most deprived)	1.00 [.,.]		1.00 [.,.]
Quintile 2	0.37*** [0.24,0.58]		0.43** [0.26,0.72]
Quintile 3	0.34*** [0.19,0.60]		0.55 [0.28,1.07]
Quintile 4	0.22*** [0.10,0.48]		0.52 [0.22,1.21]
Quintile 5 (least deprived)	0.11*** [0.05,0.24]		0.33** [0.14,0.75]

^{*} p < 0.05, ** p < 0.01, *** p < 0.001

Supplementary table S9: Logistic regression analyses predicting emergency food receipt, without controlling for food security status, showing odds ratios and standard errors, n=11,161

	Bivariate associations	Block 1: Demographics	Block 2: Demographics plus financial characteristics	Block 3: Demographics plus financial characteristics plus health	Block 4: Demographics plus financial characteristics plus health plus local characteristics
Intercept	Variable, from 0.01 to 0.12	0.19*** [0.09,0.39]	0.22** [0.08,0.59]	0.17*** [0.06,0.47]	0.24** [0.08,0.69]
Survey wave					
Wave 4 (Oct 2021-Jan 2022)	1.00	1.00 [.,.]	1.00 [.,.]	1.00 [.,.]	1.00
Wave 5 (April -	0.72	0.71	0.74	0.73	0.75
July 2022)	[0.46,1.12]	[0.45,1.12]	[0.46,1.19]	[0.45,1.20]	[0.47,1.21]
Wave 6 (Oct	0.85	0.80	0.78	0.79	0.82
2022 - Jan 2023)	[0.53,1.38]	[0.50,1.29]	[0.46,1.31]	[0.46,1.33]	[0.49,1.38]
Gender					
Male	1.00	1.00	1.00	1.00	1.00
	[.,.]	[.,.]	[.,.]	[.,.]	[.,.]
Female	1.08	1.09	0.90	0.86	0.87
	[0.76,1.54]	[0.76,1.55]	[0.61,1.33]	[0.57,1.30]	[0.59,1.31]
Age group					
16-24	1.00	1.00	1.00	1.00	1.00
25-34	0.42**	0.37**	0.39*	0.38*	0.36*
	[0.24,0.76]	[0.20,0.68]	[0.18,0.84]	[0.17,0.83]	[0.16,0.79]
35-44	0.51*	0.41**	0.53	0.52	0.52
	[0.30,0.89]	[0.23,0.73]	[0.25,1.11]	[0.24,1.12]	[0.24,1.11]
45-54	0.33***	0.31***	0.38*	0.39*	0.41*
	[0.19,0.59]	[0.18,0.54]	[0.17,0.83]	[0.17,0.87]	[0.18,0.91]
55-64	0.22***	0.23***	0.24***	0.23***	0.26**
	[0.11,0.42]	[0.12,0.42]	[0.10,0.54]	[0.10,0.54]	[0.11,0.60]
65-74	0.10***	0.10***	0.21*	0.20*	0.22*
	[0.04,0.23]	[0.04,0.23]	[0.06,0.74]	[0.06,0.74]	[0.06,0.80]
75 +	0.20*	0.18*	0.52	0.44	0.51
	[0.05,0.75]	[0.05,0.72]	[0.10,2.64]	[0.08,2.40]	[0.10,2.71]
Household compo	sition				

One adult no children	1.00	1.00	1.00 [.,.]	1.00	1.00 [.,.]
Couple no children	0.54* [0.32,0.89]	0.49** [0.29,0.83]	0.95 [0.54,1.65]	0.95 [0.54,1.66]	0.95 [0.54,1.65]
Couple with children	1.09 [0.65,1.86]	0.64 [0.34,1.21]	1.27 [0.66,2.44]	1.40 [0.73,2.71]	1.50 [0.78,2.90]
Lone parent	4.20*** [2.26,7.80]	2.57** [1.31,5.08]	2.50* [1.18,5.28]	2.51* [1.16,5.44]	2.66* [1.23,5.75]
Other no children	0.84 [0.43,1.67]	0.43* [0.21,0.87]	0.89 [0.43,1.83]	0.89 [0.43,1.83]	0.93 [0.46,1.87]
Other with children	1.09 [0.51,2.30]	0.43* [0.19,0.95]	0.89 [0.40,1.97]	0.87 [0.39,1.97]	0.90 [0.39,2.05]
Ethnicity		1			
White	1.00	1.00	1.00	1.00 [.,.]	1.00
Ethnic minority	2.39** [1.41,4.05]	1.81* [1.06,3.06]	1.43 [0.82,2.48]	1.58 [0.90,2.78]	1.47 [0.80,2.70]
Household income	1	1			
Less than £19,000	1.00		1.00 [.,.]	1.00 [.,.]	1.00 [.,.]
£19,000 - £31,999	0.22*** [0.13,0.37]		0.31*** [0.18,0.55]	0.33*** [0.19,0.57]	0.35*** [0.20,0.60]
£32,000 and above	0.05*** [0.03,0.12]		0.08*** [0.03,0.19]	0.08*** [0.03,0.21]	0.10*** [0.04,0.24]
Employment status	-	<u> </u>	<u>'</u>		
Working	1.00		1.00	1.00	1.00 [.,.]
Student	3.89*** [1.90,7.96]		0.83 [0.30,2.26]	0.81 [0.29,2.31]	0.88 [0.31,2.49]
Retired	0.47 [0.21,1.05]		0.41 [0.16,1.10]	0.39 [0.14,1.08]	0.42 [0.15,1.19]
Unemployed	12.86*** [7.38,22.38]		4.45*** [2.39,8.28]	3.81*** [2.03,7.14]	4.11*** [2.20,7.68]
Unable to work due to poor health	13.77*** [8.54,22.22]		5.43*** [3.14,9.38]	3.47*** [1.84,6.52]	3.52*** [1.85,6.69]

Homemaker	4.48*** [2.59,7.74]	2.21* [1.11,4.40]	1.92 [0.94,3.92]	1.99 [0.97,4.06]
Other	4.47*** [2.28,8.80]	2.83** [1.37,5.85]	2.75** [1.34,5.67]	2.65* [1.22,5.75]
Long-term health con	ndition status	,	,	
No long-term health condition	1.00		1.00	1.00
Has a long-term health condition	2.92*** [1.98,4.31]		2.05** [1.25,3.38]	1.92* [1.16,3.18]
Food hypersensitivity	status	,	,	
No food hypersensitivity	1.00		1.00	1.00 [.,.]
Has a food hypersensitivity	1.18 [0.74,1.88]		1.03 [0.58,1.83]	1.06 [0.60,1.86]
Urban/rural classifica	tion			
Urban	1.00 [.,.]			1.00 [.,.]
Rural	0.55* [0.32,0.95]			1.16 [0.67,2.03]
Country				
England	1.00 [.,.]			1.00
Wales	1.06 [0.74,1.50]			0.97 [0.65,1.43]
Northern Ireland	1.27 [0.92,1.76]			1.31 [0.88,1.95]
Index of Multiple Dep	orivation (IMD)			
Quintile 1 (most deprived)	1.00 [.,.]			1.00 [.,.]
Quintile 2	0.37*** [0.24,0.58]			0.45** [0.27,0.75]
Quintile 3	0.34*** [0.19,0.60]			0.58 [0.31,1.08]
Quintile 4	0.22*** [0.10,0.48]			0.50 [0.22,1.14]
Quintile 5 (least deprived)	0.11*** [0.05,0.24]			0.33** [0.15,0.75]

* p < 0.05, ** p < 0.01, *** p < 0.001